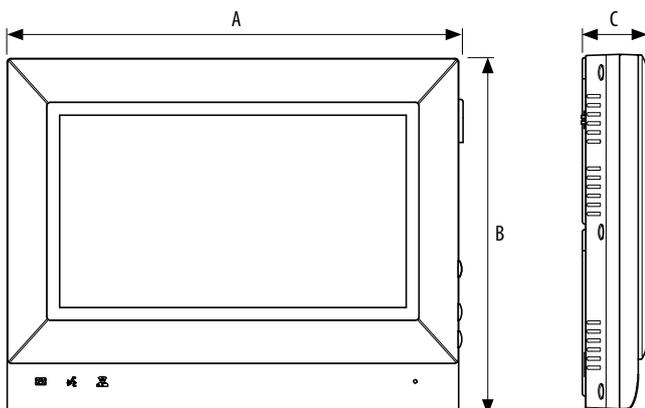


Description

D45 System 7" touch screen video internal unit. Complete door entry functions with alarm managements. International standard SOS pushbutton, intercom function, programming device touch screen functions. Digital photo frame and camera functions. Direct call to switchboard function. 6 different default selectable ringtones (can be changed with your favourite music). Slot for SD CARD. Surge protection. Wall mount installation.

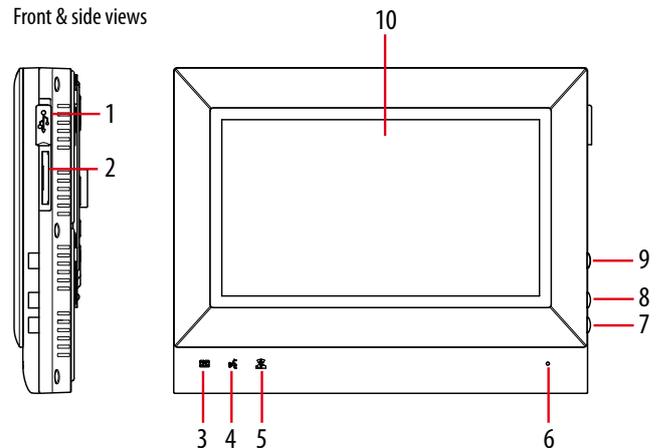
Technical data

Power supply :	18-30 Vdc
Stand by absorption:	≤ 100 mA @ 30 V
Max. operating absorption:	≤ 200 mA @ 30 V
Operating temperature:	(-10)-(+40)°C
LCD display size :	7"
LCD display resolution :	800 x 480
Supported SD CARD :	32 Gb maximum
Supported music files :	mp3, wav, wma

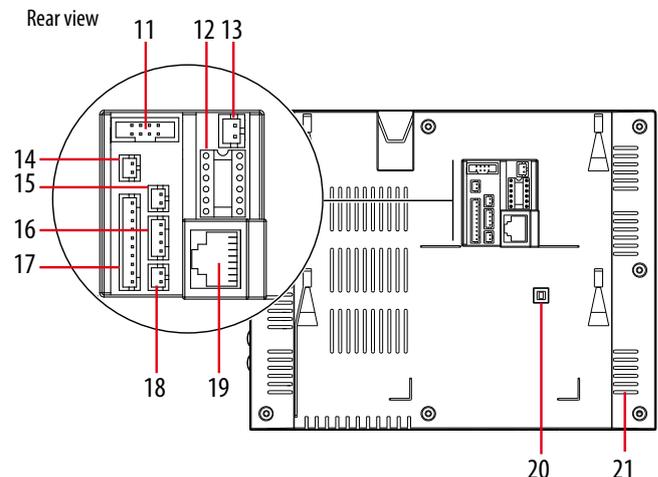
Dimensional data

A (mm)	B (mm)	C (mm)
198	157	27

Front & side views



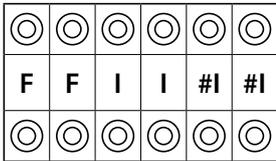
Rear view

**Legend**

1. Mini USB port
2. SD CARD socket
3. Message information LED
4. Connection status LED
5. Alarm LED
6. Microphone
7. Door lock release pushbutton
8. Communication pushbutton
9. SOS pushbutton
10. 7" LCD touch screen display
11. Download connector
12. Configurator housing
13. Local power connector
14. Anti removal alarm sensor connector
15. SOS alarm connector
16. SEP entrance panel connector
17. Alarm sensor connector
18. Unlock device connector
19. RJ45 System BUS connector
20. Anti removal switch
21. Loudspeaker

Configuration

Indoor handset must be configured for following parameters:



FF : Floor number
 II : Apartment number
 #II: Maximum apartments quantity per floor in a riser

Two different configuration modes available for whole system:

configuration **MODE 1** and configuration **MODE 2**. The main characteristics for each configuration mode are listed below.

When the biggest number of #FF in whole system is ≤ 20, and the biggest number of #II is ≤ 4, and the total risers number is ≤ 50, we recommend to choose (MODE 1) configuration for system.

When the biggest number of #FF in whole system is more than 20, or the biggest number of #II is more than 4, we suggest to use (MODE 2) configuration to setup #FF (choose the biggest number #FF of system) and #II (choose the biggest number #II of system), then calculate total IU number of system. If the total number (#FF * #II * R) is less or equal 4000, use of (MODE 2) is suggested.

POSITION	MODE 1	MODE 2
F	FF	FF
F		
I	II	II
I		
#I	Default for #II is 04, need not connect the configurator	II (#II setup using same value for all system handsets).
#I		

Two different device configuration ways available:

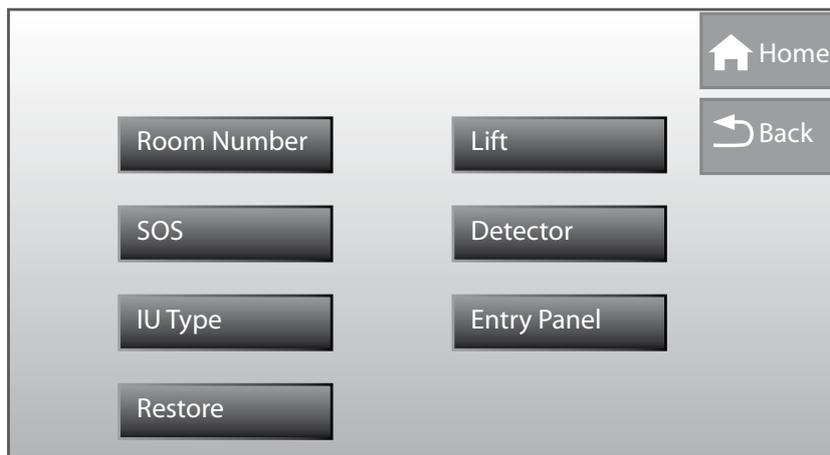
WAY 1: configuration settings by touch screen

WAY 2: configuration setting by inserting physical configurators

Configuration setting by touch screen - WAY 1 :

At the lower right corner of the main interface, press on the  icon, you will enter in the setting page. Click on the  icon, to input the installation password (default password : 686868) and click on the **(OK)** icon to confirm, you will come to the installation page.

Note : when you come to the sub menu, click on the white circle at front of the setting item, if selected there is a red dot in the white circle. When you operate with the digital keyboard, click on the **(C)** icon to delete the last number; click on the **(OK)** icon to confirm



Configuration

Room Number

Click on the white circle to select **"With apartment interface 323009"** or **"Without apartment interface 323009"**. If you select **"With apartment interface 323009"**, you can't set the room number because this is directly set by the apartment interface. If you select **"With apartment interface 323009"**, two modes are available: **direct call mode** and **normal call mode**. With direct call mode, the room number is a digital value (1 to 4000). With normal call mode, the room number is a combination of floor number and room number. You need to set the room number and the maximum apartment quantity per floor.

Lift

Click on the white circle to select **"With lift controller"** or **"Without lift controller"**. If you select **"With lift controller"**, a lift icon  will appear in the main interface. In idle state, press this icon or the unlock key to call the lift.

Note : lift control function should be equipped with a lift controller interface and supported by the lift manufacturers. Default setting is without lift controller.

SOS

Click on the white circle to select SOS alarm contact status **"Normal open"** or **"Normal close"**.

Default setting is Normal open.

Detector

The alarm detector sub menus include two pages, the setting item in the first page as below :

Enable /Disable : enable or disable the detector, click on the "Enable" or "Disable" to switch enable /disable.

Detector mode : set the detector normal open or normal close, select "ON" (normal open) or "OFF" (normal close) to switch detector mode.

Definition : define the detector type, (area1-infrared), (area2-door contact), (area3-smoke), (area 4-gas), (area5-infrared/no infrared), (area 6- infrared/no infrared), (area 7- infrared/no infrared), (area 8- infrared/no infrared), click on the "infrared" or "no infrared" to switch detector definition of area 5 to area 8. Area1 to area 4 can't be changed.

Status : display the detector status, when it becomes blue detector is enabled and when it becomes gray means disabled.

Areas : show area1 to area 8 alarms.

Click on **"Reset"** to restore the parameters of the page to default value.

Click on the  icon to have access to the second page. Setting item in the second page as below:

Alarm : define alarm whether with sound, click on the white circle to select "YES/ON".

Effective time for alarmed : click on the white circle to set the effective time as 40 sec./100 sec./150 sec./210 sec./225 sec.

Delay : when the detector monitors an alarm, it will report the message after the setting delay time. You can click on the white circle to set the delay time as 40 sec./100 sec./150 sec./210 sec./225 sec. For Area 3 and Area 4 you can't set delay time.

Click on "reset" to restore the parameters of the page to default value.

Click on the  icon to return to the first page

IU Type

Click on the white circle to select **"Master"** or **"Slave"** IU. When one apartment install multiple handsets, if the handsets be called, only the master handset opens the video, slave handsets do not open the video. If the slave handset answered, the other handset returns to static, the answered handset open the video and audio, and then you can talk with the entry panel.

Default setting is master handset.

Entry Panel

Click on the white circle to select **"Doorbell"** or **"Entry panel"**. If the handset linked is a small entry panel, we can set whether monitor the small entry panel, if you select **"Monitor enable"**, "Video door phone" menu will display  .

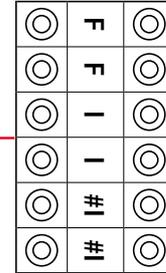
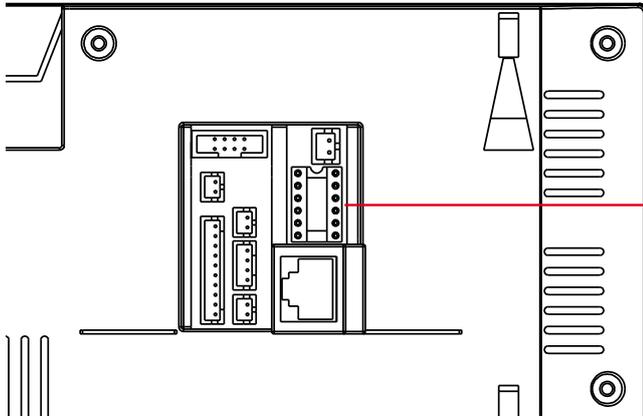
When the small entry panel call handset, the handset will ring and turn on the video; if linked with doorbell ,it can't monitor and when the handset detect income signal the handset only ringing for 10 seconds.

Restore

Click on **"OK"** to restore all the parameters to default value or click on **"Cancel"** to abort your operation.

Configuration

Configuration setting by inserting phisical configurators - WAY 2 :



Example (A):

The number of handsets is 1204, each floor has 4 handsets, the system configuration mode is Mode 1, the handset configuration should be as follows

POSITION	CONFIGURATION VALUE	REMARKS
F	1	
F	2	
I	0	It is ok not to insert configurator 0
I	4	
#I		Because the default value of #II is 4, no configurator is needed
#I		

Example (B):

The number of handsets is 1206, each floor has 8 handsets. System configuration mode 2 is used. The handset configuration should be as follows:

POSITION	VALUE	REMARKS
F	1	
F	2	
I	0	It is ok not to insert configurator 0
I	6	
#I	0	It is ok not to insert configurator 0
#I	8	

Side pushbutton functions

SOS Key : in case of urgent or unexpected situation, press on the "SOS key" to send the alarm message to the management center.

Answer Key :

When a visitor calls the host, press the "Answer key" to talk with him, during which you can press again on the key to end the talk.

Unlock Key :

During the communication with the entrance panel or the small entrance panel, press on the "Unlock key" to unlock and call the lift.

Icons quick explanations

-  **Back** Return to previous menu
-  **Home** Return to the main interface
-  **PgUp** Page up
-  **PgDn** Page down
-  **Anti-disturb mode, the status LED on (red)**
-  **Outside mode, the status LED on (pink)**
-  **Home mode, the status LED on (blue)**

LED indicators

	LED			Status of the internal unit
Status LED		Red	ON	Anti disturb mode
		Blue	ON	Common mode
		Pink	ON	Outside mode
		Red	Quick flash	Being called, no answer
		Red	Slow flash	Talking
Information LED		Off	Dim	No new message
		Blue	Quick flash	New message
Alarm LED		Off	DIM	Unguarded
		Red	Slow flash	Guarded, without alarm
		Red	Quick flash	Alarm occurs

SD Card storage

IU device supports an SD CARD (32 Gb max.). The icon pops up at the up-right angle of the screen, meaning that the storage card has been inserted. When inserted, sound and image media contents can be used.

Supported audio format : MP3, WAV, WMA.

Supported images format : JPG, BMP.

Device connection

Device can be connected to a PC by using an universal USB cable in order to share music and photos. PC must be equipped with the USB 2.0 and one of the following operating systems :

MAC OS X v10.5.8 or higher version

Windows 7, Windows Vista or Windows XP Home or Professional(SP3).